



4 Farmers ... For Farmers
Printing date 20.05.2016

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 20.05.2016

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 4FARMERS ATRAZINE 900 WG HERBICIDE

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Agricultural herbicide

Details of Manufacturer or Importer:

4Farmers Australia Pty Ltd
70 McDowell Street
Welshpool WA 6106

Phone Number: +61 8 9356 9446

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Skin Sens. 1 H317 May cause an allergic skin reaction.

Signal Word Warning

Hazard Statements

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P272 Contaminated work clothing should not be allowed out of the workplace.

P321 Specific treatment (see on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P391 Collect spillage.

P362+P364 Take off contaminated clothing and wash it before reuse.

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P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

1912-24-9	Atrazine (ISO) ⚠ STOT RE 2, H373; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	90%
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	<18%

Additional information: Dispersants, CAS No. not supplied: <10%.

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May be harmful if inhaled.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: May cause eye irritation and inflammation.

Ingestion: May be harmful if swallowed.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray or fog, foam, dry chemical powder or BCF.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, nitrogen and silicon, hydrogen chloride, phosgene, smoke and other pyrolysis products typical of burning organic material.

Combustible solid. May form flammable or explosive dust clouds.

Fire Incompatibilities: Strong oxidising agents, nitrates, oxidising acids, chlorine bleaches and pool chlorine.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

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Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure. Contaminated work clothing must not be allowed out of the workplace.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents, nitrates, oxidising acids, chlorine bleaches and pool chlorine. Suitable materials for containers are polyethylene or polypropylene.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**1912-24-9 Atrazine (ISO)**

NES	TWA: 5 mg/m ³
	Sen

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

NES	TWA: 2.5 mg/m ³
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Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Polychloroprene, nitrile rubber, butyl rubber and fluorocautchouc gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

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9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Form:	Granulate
Colour:	White
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	Not applicable
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	169 - 176 °C (atrazine)
Flash Point:	Not applicable
Flammability:	Combustible solid
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable
Relative Density:	0.9
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water:	Partially miscible
Partition Coefficient (n-octanol/water):	No information available

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials:

Strong oxidising agents, nitrates, oxidising acids, chlorine bleaches and pool chlorine.

Hazardous Decomposition Products:

Oxides of carbon, nitrogen and silicon, hydrogen chloride, phosgene, smoke and other pyrolysis products typical of burning organic material.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

1912-24-9 Atrazine (ISO)

Oral	LD ₅₀	672 mg/kg (rat)
Dermal	LD ₅₀	7500 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	5200 mg/m ³ (rat)

Acute Health Effects

Inhalation: May be harmful if inhaled.

Skin: May cause an allergic skin reaction.

Eye: May cause eye irritation and inflammation.

Ingestion: May be harmful if swallowed.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

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Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation:

Sensitisation possible through skin contact.

May cause an allergic skin reaction.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Atrazine and Talc not containing asbestos or asbestiform fibres are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity:

Based on classification principles, the classification criteria are not met.

This product may cause damage to the reproductive system.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Repeated or prolonged skin exposure may cause skin irritation, redness and dermatitis. Repeated or prolonged eye contact may cause conjunctivitis.

Asthma-like symptoms may continue for months or even years after exposure to the product. This may be due to a condition known as reactive Airways Dysfunction Syndrome (RADS).

Long-term exposure may cause wheezing, weakness, cough, limited chest expansion, scattered rales and cyanosis.

Additional toxicological information:

The Australian Acceptable Daily Intake (ADI) for atrazine for a human is 0.005 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.5 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing Office of Chemical Safety, 'ADI List', June 2014).

12 . ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: Very Toxic to aquatic life with long lasting effects.

Persistence and Degradability: Atrazine is highly persistent in water and soil.

Bioaccumulative Potential: Atrazine has a low potential for bioaccumulation.

Mobility in Soil: Atrazine is moderately mobile in soil.

Other adverse effects: No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

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14 . TRANSPORT INFORMATION

UN Number

ADG Not regulated
IMDG, IATA UN3077

Proper Shipping Name

ADG Not regulated
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (atrazine (ISO)),
 MARINE POLLUTANT
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (atrazine (ISO))

Dangerous Goods Class

ADG Class: Not regulated
IMDG Class: 9 Miscellaneous dangerous substances and articles.

Packing Group:

ADG Not regulated
IMDG, IATA III

Marine pollutant: Yes
 Symbol (fish and tree)

EMS Number: F-A,S-F

Hazchem Code: 2Z

Limited Quantities: 5 kg

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

1912-24-9	Atrazine (ISO)
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 20.05.2016

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC₅₀: Lethal concentration, 50 percent
 LD₅₀: Lethal dose, 50 percent
 IARC: International Agency for Research on Cancer
 STEL: Short Term Exposure Limit
 TWA: Time Weighted Average
 NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
 Skin Sens. 1: Skin sensitisation, Hazard Category 1
 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
 Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

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Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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